

# DATA SPECIFICATIONS, *PHASE II*

## EARTH WATCH, INC. Global Terrain (GTI2) Data STAR-3i Digital Elevation Models and SAR Image Maps

<b>Specifications</b>	<b>Ortho-Rectified SAR Image Maps (IM3)</b>	<b>Digital Elevation Models (GT2)</b>
Sensor	STAR-3i Interferometric SAR System	STAR-3i Interferometric SAR System
Spatial Resolution	2.5 meters FWHM of point spread function in both slant range and cross-slant range dimensions	10.0 meter post spacing
Operating Wavelength	X – band Radar	X – band Radar
Absolute Vertical Accuracy	N/A	2.0 meter RMSE
Absolute Horizontal Accuracy	2.5 meter RMSE	2.5 meter RMSE
Projection	Universal Transverse Mercator	Universal Transverse Mercator
Vertical and Horizontal Datum	WGS-84 Ellipsoid	WGS-84 Ellipsoid
Image Format	Formats compatible to accepted image analysis packages such as ArcInfo, ERDAS Imagine, ENVI and ER Mapper	Formats compatible to accepted image analysis packages such as ArcInfo, ERDAS Imagine, ENVI and ER Mapper
Metadata Format	ECS Intermediate Standard	ECS Intermediate Standard
Sidelap and Endlap	At least 10%	At least 10%
Mosaic Coverage	7.5 minute quadrangle tiles	7.5 minute quadrangle tiles